

PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet **1** of **4****Complete If Known**

Application Number	10/727,400
Filing Date	December 3, 2003
First Named Inventor	Wakabayashi, Kenichi
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	021654-000270US

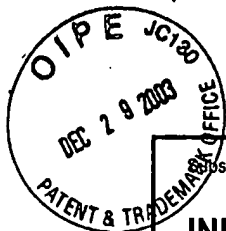
U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No.†	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code² (if known)			
4.8.	AA	US-3,225,262		12-21-1985	Myers	
4.8.	AB	US-3,993,123		11-23-1976	Chu et al.	
4.8.	AC	US-4,027,206		05-31-1977	Lee	
4.8.	AD	US-4,092,697		05-30-1978	Spalght	
4.8.	AE	US-4,137,563		01-30-1979	Tsunoda	
4.8.	AF	US-4,381,552		04-26-1983	Nocilini et al.	
4.8.	AG	US-4,545,030		10-01-1985	Kitchin	
4.8.	AH	US-4,557,225		12-10-1985	Sagues, et al.	
4.8.	AI	US-4,563,725		01-07-1986	Kirby	
4.8.	AJ	US-4,621,304		11-04-1986	Oogaki et al.	
4.8.	AK	US-4,636,916		01-13-1987	Burt, et al.	
4.8.	AL	US-4,639,829		01-27-1987	Ostergren et al.	
4.8.	AM	US-4,649,990		03-17-1987	Kurihara et al.	
4.8.	AN	US-4,682,566		07-28-1987	Aitken	
4.8.	AO	US-4,729,060		03-01-1988	Yamamoto et al.	
4.8.	AP	US-4,739,444		04-19-1988	Zushi, et al.	
4.8.	AQ	US-4,771,365		09-13-1988	Cichocki et al.	
4.8.	AR	US-4,791,608		12-13-1988	Fushimoto	
4.8.	AS	US-4,833,570		05-23-1989	Teratani	
4.8.	AT	US-4,849,944		07-18-1989	Matsushita	
4.8.	AU	US-4,855,869		08-08-1989	Tsuji	
4.8.	AV	US-4,872,091		10-03-1989	Maniwa et al.	
4.8.	AW	US-4,879,832		11-07-1989	Yamamoto et al.	
4.8.	AX	US-4,914,551		04-03-1990	Anschel et al.	
4.8.	AY	US-4,962,444		10-09-1990	Niggemann	
4.8.	AZ	US-5,016,086		05-14-1991	Inoue et al.	
4.8.	BA	US-5,024,264		06-18-1991	Natori et al.	
4.8.	BB	US-5,031,076		07-09-1991	Kiku	
4.8.	BC	US-5,060,112		10-22-1991	Cocconi	
4.8.	BD	US-5,136,146		08-04-1992	Anglin et al.	
4.8.	BE	US-5,136,464		08-04-1992	Ohmori	
4.8.	BF	US-5,138,521		08-11-1992	Watanabe, et al.	
4.8.	BG	US-5,142,614		08-25-1992	Schneider et al.	
4.8.	BH	US-5,162,610		11-10-1992	Clifton et al.	
4.8.	BI	US-5,184,211		02-02-1993	Fox	
4.8.	BJ	US-5,195,176		03-16-1993	Lung	
4.8.	BK	US-5,198,965		03-30-1993	Curtis et al.	
4.8.	BL	US-5,208,732		05-04-1993	Baudouin et al.	
4.8.	BM	US-5,227,831		07-13-1993	Hunter, III et al.	
4.8.	BN	US-5,287,247		02-15-1994	Smits et al.	
4.8.	BO	US-5,289,342		02-22-1994	Spalding et al.	

Examiner Signature	<i>David J. Klein</i>	Date Considered	08/19/04
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	4	Application Number	10/727,400
				Filing Date	December 3, 2003
				First Named Inventor	Wakabayashi, Kenichi
				Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	021654-000270US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
U. P.	BP	US-5,389,819	02-14-1995	Matsuoka	
U. P.	BQ	US-5,424,913	08-13-1995	Swindler	
U. P.	BR	US-5,432,913	07-11-1995	Smits et al.	
U. P.	BS	US-5,437,041	07-25-1995	Wakabayashi et al.	
U. P.	BT	US-5,473,506	12-05-1995	Kikinis	
U. P.	BU	US-5,475,563	12-12-1995	Donahoe et al.	
U. P.	BV	US-5,481,856	01-02-1996	Wakabayashi et al.	
U. P.	BW	US-5,504,669	04-02-1996	Wakabayashi et al.	
U. P.	BX	US-5,528,229	06-11-1996	Wakabayashi et al.	
U. P.	BY	US-5,548,487	08-20-1996	Brabetz et al.	
U. P.	BZ	US-5,815,085	03-25-1997	Wakabayashi et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
U.P.	CA	DE	3237878	04-26-1984	Ant Nachrichtentech		<input type="checkbox"/>
U.P.	CB	DE	3416348	11-07-1985	Siemens AG		<input type="checkbox"/>
U.P.	CC	DE	9112099.3	01-23-1992			<input checked="" type="checkbox"/> (Corresponds to 5,548,487)
U.P.	CD	EP	0198378 A2	10-22-1986	Otis Elevator Company		<input type="checkbox"/>
U.P.	CE	FR	2601791 A1	01-22-1988	Ricoh Company Ltd.		<input checked="" type="checkbox"/> (Corresponds to 4,872,091)
U.P.	CF	GB	2164803	03-28-1986	Smiths Industries Public Limited Company		<input type="checkbox"/>
U.P.	CG	GB	2248973	04-22-1992	Mitsubishi Electric Corp		<input type="checkbox"/>
U.P.	CH	JP	53-91375	08-11-1978	Hitachi Ltd.		<input checked="" type="checkbox"/> (Abstract)
U.P.	CI	JP	54-2834	01-10-1979	Atari Inc.		<input checked="" type="checkbox"/> (Abstract)
U.P.	CJ	JP	56-129353 A	10-09-1981	Mitsubishi Electric Corp		<input checked="" type="checkbox"/>
U.P.	CK	JP	57-75488 A	05-12-1982	Mitsubishi Electric Corp		<input checked="" type="checkbox"/>
U.P.	CL	JP	57-75489 A	05-12-1982	Mitsubishi Electric Corp		<input checked="" type="checkbox"/>
U.P.	CM	JP	57-198798	12-17-1982			<input checked="" type="checkbox"/>
U.P.	CN	JP	58-30994	02-28-1983			<input checked="" type="checkbox"/>
U.P.	CO	JP	58-140691	09-21-1983			<input checked="" type="checkbox"/>
U.P.	CP	JP	58-182694	10-29-1983			<input checked="" type="checkbox"/>
U.P.	CQ	JP	58-201349 A	11-24-1983	Mitsubishi Electric Corp		<input checked="" type="checkbox"/>
U.P.	CR	JP	59-184458 A	11-05-1984	Chiba, et al.		<input checked="" type="checkbox"/>
U.P.	CS	JP	60-32397 A	02-19-1985	Matsushita Electric IND Co Ltd.		<input checked="" type="checkbox"/>

Examiner Signature	<i>[Signature]</i>	Date Considered	08/19/04
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Examiner Name	Unassigned				
Sheet	3	of	4	Attorney Docket Number	021654-000270US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
U.S.	CT	JP	60-173791	A	09-07-1985	Matsushita Electric IND Co Ltd.		<input checked="" type="checkbox"/> (Abstract)
U.S.	CU	JP	60-254841	A	12-16-1985	Fujitsu Ltd.		<input checked="" type="checkbox"/> (Abstract)
U.S.	CV	JP	61-222763	A	10-03-1986	Seiko Epson Corp.		<input checked="" type="checkbox"/> (Abstract)
U.S.	CW	JP	62-1181	A	01-07-1987	Ricoh Company Ltd.		<input checked="" type="checkbox"/> (Abstract)
U.S.	CX	JP	62-45841	U	03-19-1987			<input checked="" type="checkbox"/>
U.S.	CY	JP	63-50096	A	03-02-1988	Fanuc Ltd.		<input checked="" type="checkbox"/> (Partial Translation)
U.S.	CZ	JP	63-119554	A	05-24-1988	Nippon Electric Co.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DA	JP	63-181385	A	07-26-1988	Hitachi Ltd.		<input checked="" type="checkbox"/>
U.S.	DB	JP	63-184397	A	07-29-1988	Nippon Telegraph & Telephone		<input checked="" type="checkbox"/>
U.S.	DC	JP	63-187796	U	11-01-1988			<input checked="" type="checkbox"/>
U.S.	DD	JP	63-278261	A	11-15-1988	Nippon Electric Co.		<input checked="" type="checkbox"/> (Partial Translation)
U.S.	DE	JP	63-284869	A	11-22-1988	Fujitsu Ltd.		<input checked="" type="checkbox"/>
U.S.	DF	JP	63-289999	A	11-28-1988	Hitachi Ltd.		<input checked="" type="checkbox"/>
U.S.	DG	JP	63-292661	A	11-29-1988	Nippon Telegraph & Telephone		<input checked="" type="checkbox"/>
U.S.	DH	JP	64-74797	A	03-20-1989	Oki Electric IND Co Ltd.		<input checked="" type="checkbox"/>
U.S.	DI	JP	1-122195	A	05-15-1989	NEC Corp.		<input checked="" type="checkbox"/>
U.S.	DJ	JP	1-140799	A	06-01-1989	NEC Corp.		<input checked="" type="checkbox"/>
U.S.	DK	JP	1-89791	U	06-13-1989			<input checked="" type="checkbox"/>
U.S.	DL	JP	1-165415	A	06-29-1989	Mitsubishi Cable IND Ltd.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DM	JP	1-220898	A	09-04-1989	Mitsubishi Electric Corp.		<input checked="" type="checkbox"/>
U.S.	DN	JP	1-298753	A	12-01-1989	Nippon Electric Co.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DO	JP	1-319194	A	12-25-1989	Nippon Electric Co.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DP	JP	2-58789	A	02-27-1990	Nippon Electric Co.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DQ	JP	2-66962	A	03-07-1990	Mitsui Petrochemical IND		<input checked="" type="checkbox"/> (Abstract)
U.S.	DR	JP	2-119299	A	05-07-1990	Mitsubishi Electric Corp.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DS	JP	2-123798	U	10-11-1990			<input checked="" type="checkbox"/>
U.S.	DT	JP	2-253289	A	10-12-1990	Canon		<input checked="" type="checkbox"/> (Abstract)
U.S.	DU	JP	2-277700	A	11-14-1990	Nippon Electric Co.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DV	JP	3-11409	A	01-18-1991	Oki Electric IND Co Ltd.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DW	JP	3-6724	A	01-23-1991	Seiko Epson Corp		<input checked="" type="checkbox"/> (Partial Translation)
U.S.	DX	JP	3-22160	A	01-30-1991	Fuji Electric Co Ltd.; Fuji Facom Corp.		<input checked="" type="checkbox"/> (Abstract)
U.S.	DY	JP	3-36815	A	02-18-1991	Mitsumi Electric Co Ltd.		<input checked="" type="checkbox"/>
U.S.	DZ	JP	3-182397	A	08-08-1991	Mitsubishi Electric Corp.		<input checked="" type="checkbox"/>

Examiner Signature	<i>Chul Park</i>	Date Considered	08/19/04
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